



Method and Apparatus for Using...
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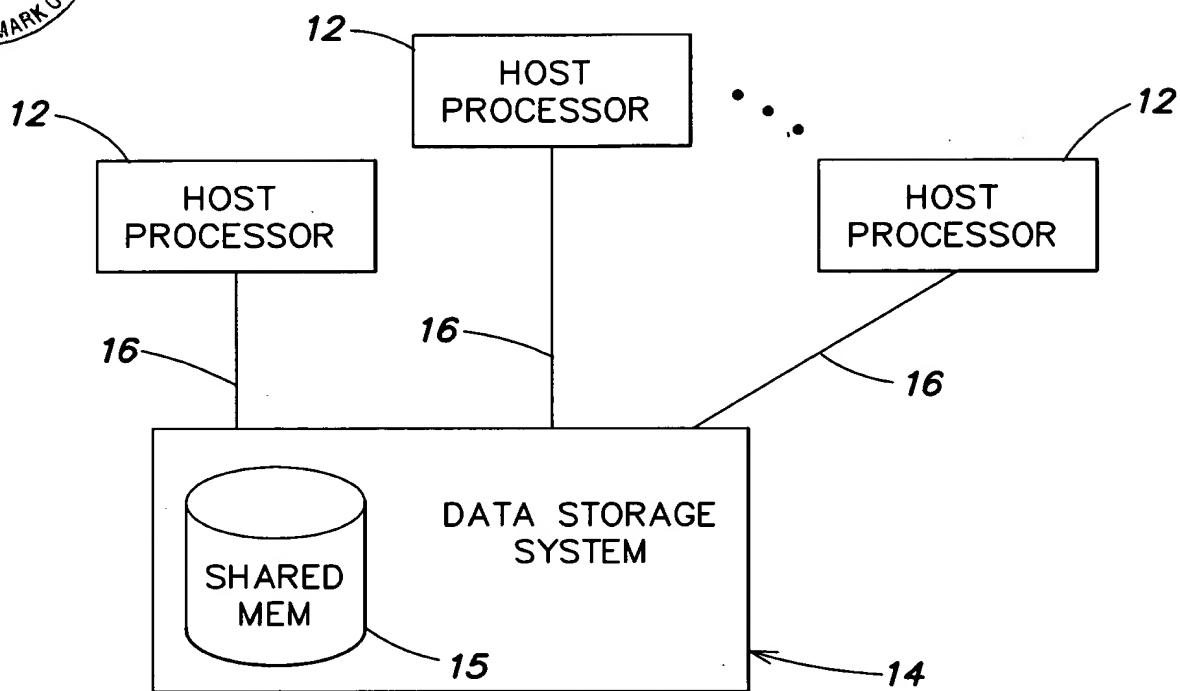


FIG. 1
(PRIOR ART)

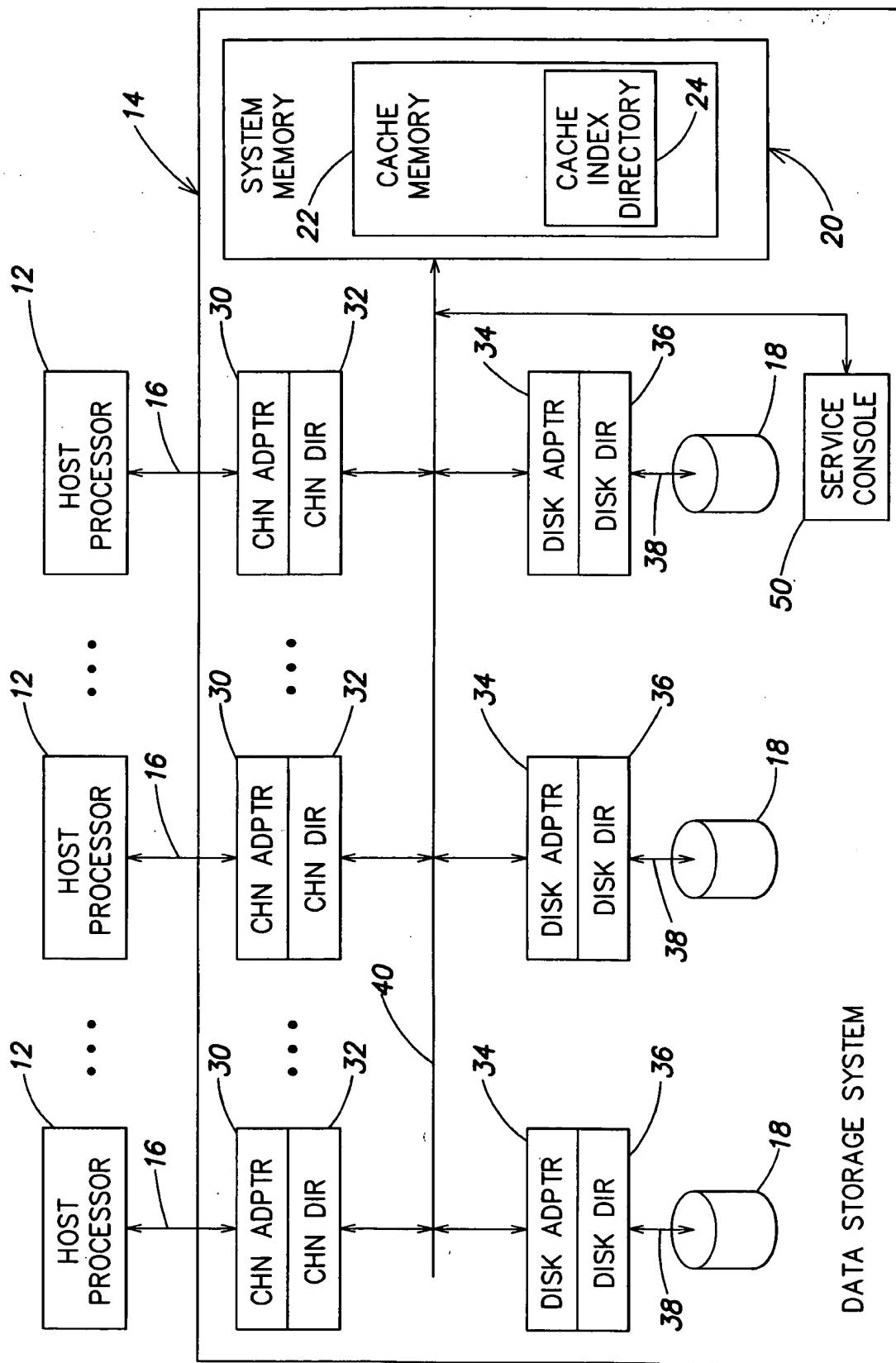


FIG. 2



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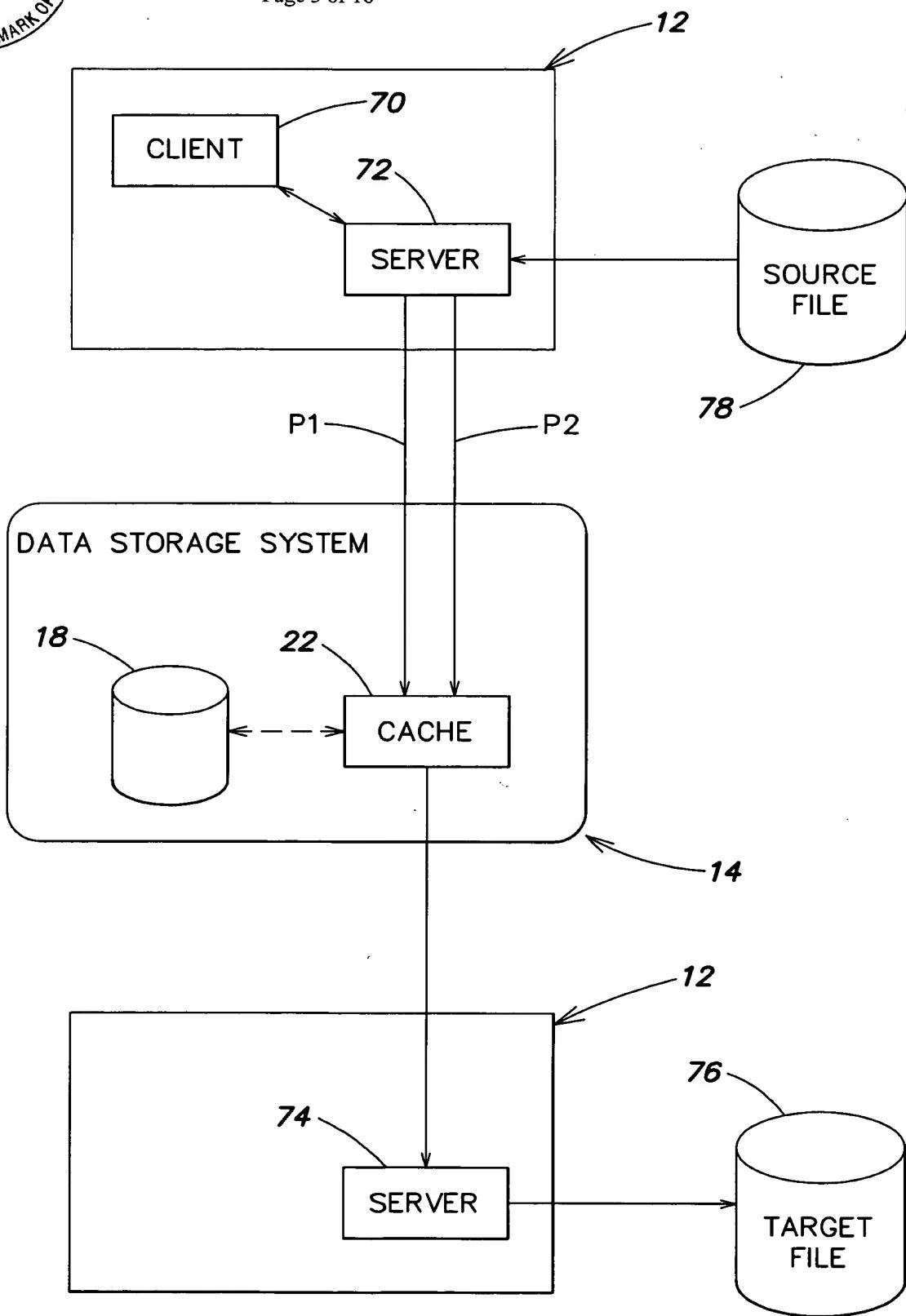
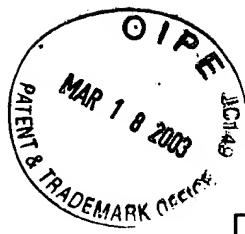


FIG. 3



Field Name	Field Usage
blk5_id	Block identifier, set to "MAS_EMCA" on master device. Copies are also written to secondary devices with id set to "SEC_EMCA"
blk5_dev_id	Entry number of master device in device table
blk5_seg_size	Size of transfer segment in blocks
blk5_version	Master Control Block structure version number
blk5_time_id	Creation time of master block
blk5_tot_seg_num	Total number of transfer segments
blk5_process_id_table_ptr	Pointer to start of process id table structure
blk5_secondary_device_entrynum	Number of entries in secondary device table
blk5_start_process_segment_ptr	Pointer to process segment pointer table structures
blk5_max_connections	Maximum number of connections allowed
blk5_mast_sec_start_ptr	Pointer to process segment pointer table structures
blk5_mast_sec_start_segment_ptr	Pointer to start of data segments
blk5_ptr_seg_per_process	Number of segments per process (connection)
blk5_maxptr	Maximum number of segments per process
blk5_unix_filename	UNIX file name of master device

FIG. 4



Field Name	Field Usage
pro_process_id	Process (connection) id (=slot number)
pro_flag_process	Process flag field
pro_con_rc	Status code
pro_requestor	Name of requestor (initiator) process
pro_requestor_password	Password for requestor process
pro_requestor_type	OS Type of requestor
pro_requestee	Name of requestee (connector) process
pro_requestee_type	OS Type of requestee
pro_dtd	Command structure for initiator to connector comm.
InitM	Command structure for connector to initiator comm.

FIG. 5



Field Name	Field Usage
<code>sec_dev_id</code>	Device id (from configuration file)
<code>sec_str_seg_ptr</code>	Pointer to start of data segments for the device
<code>sec_seg_number_for_device</code>	Number of data segments on the device
<code>sec_start_segment_number</code>	Segment number of first segment on device (with the first segment on the first device being segment number 1)

FIG. 6

Field Name	Field Usage
<code>ptr_process_segment_ptr</code>	Starting block of data segment on disk
<code>ptr_process_segment_flg</code>	Segment status flag
<code>ptr_process_block_seq</code>	Segment sequence number
<code>ptr_process_req_id</code>	Process request sequence number
<code>ptr_process_blk_read</code>	Size of segment in blocks

FIG. 7



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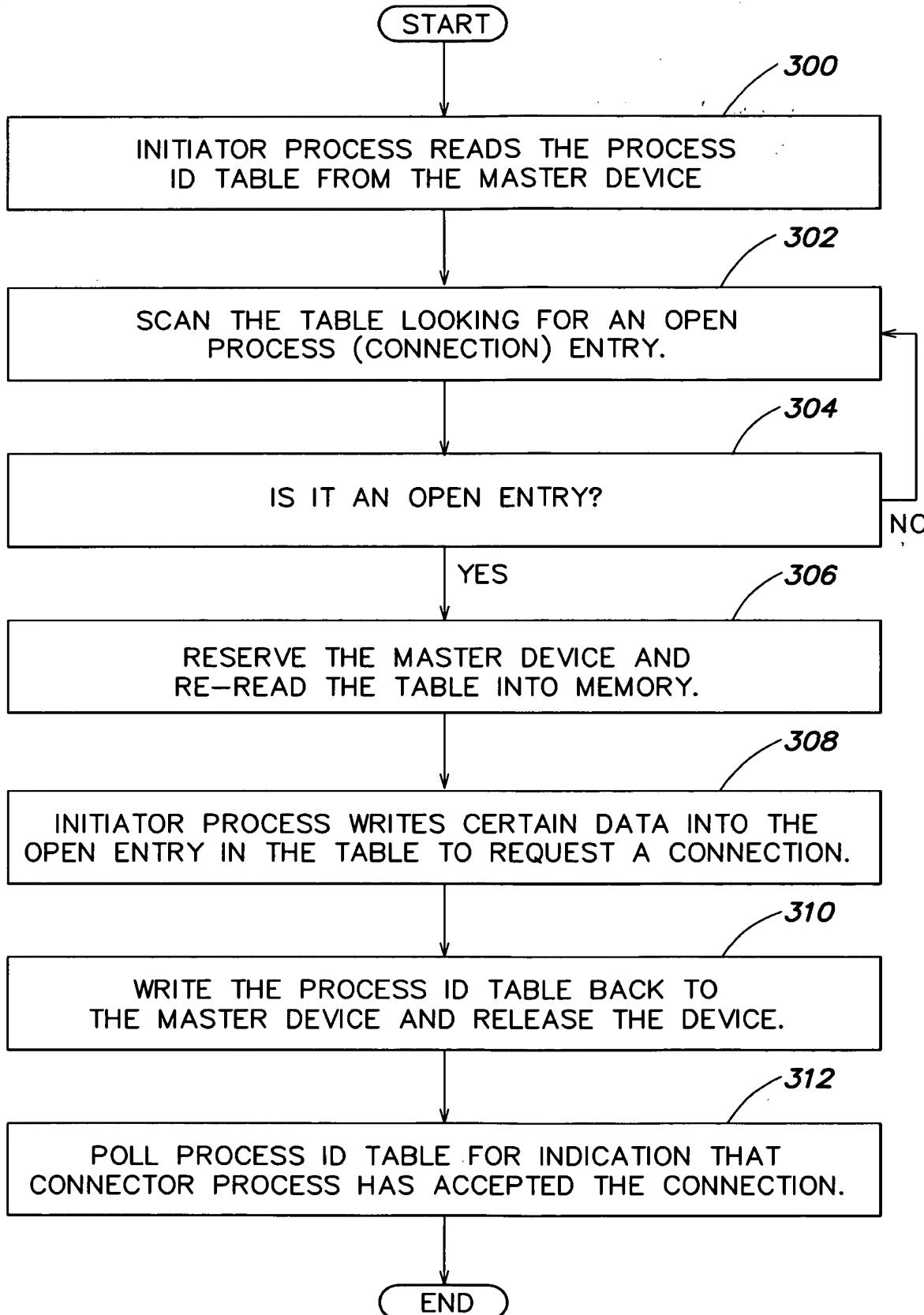


FIG. 8

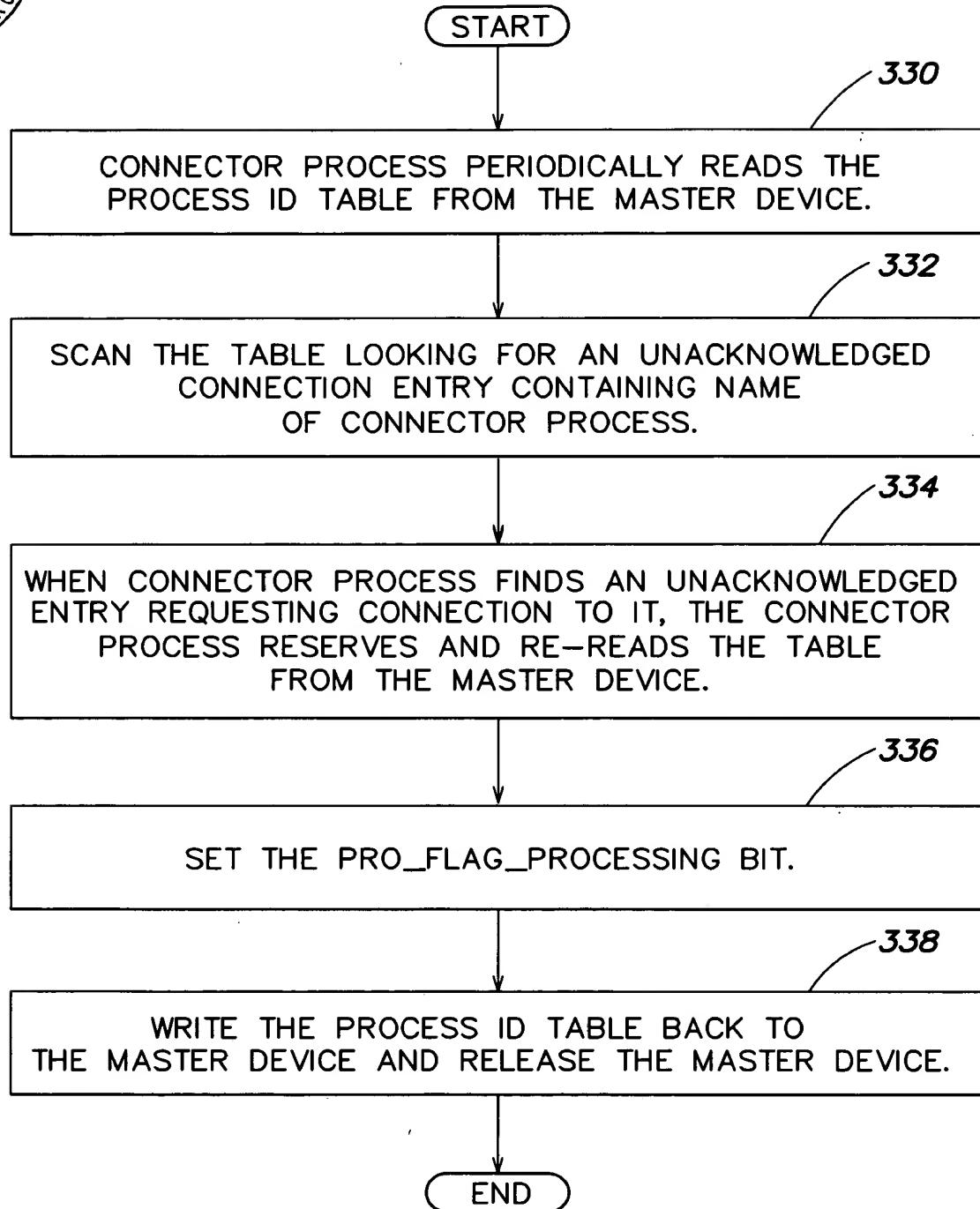


FIG. 9

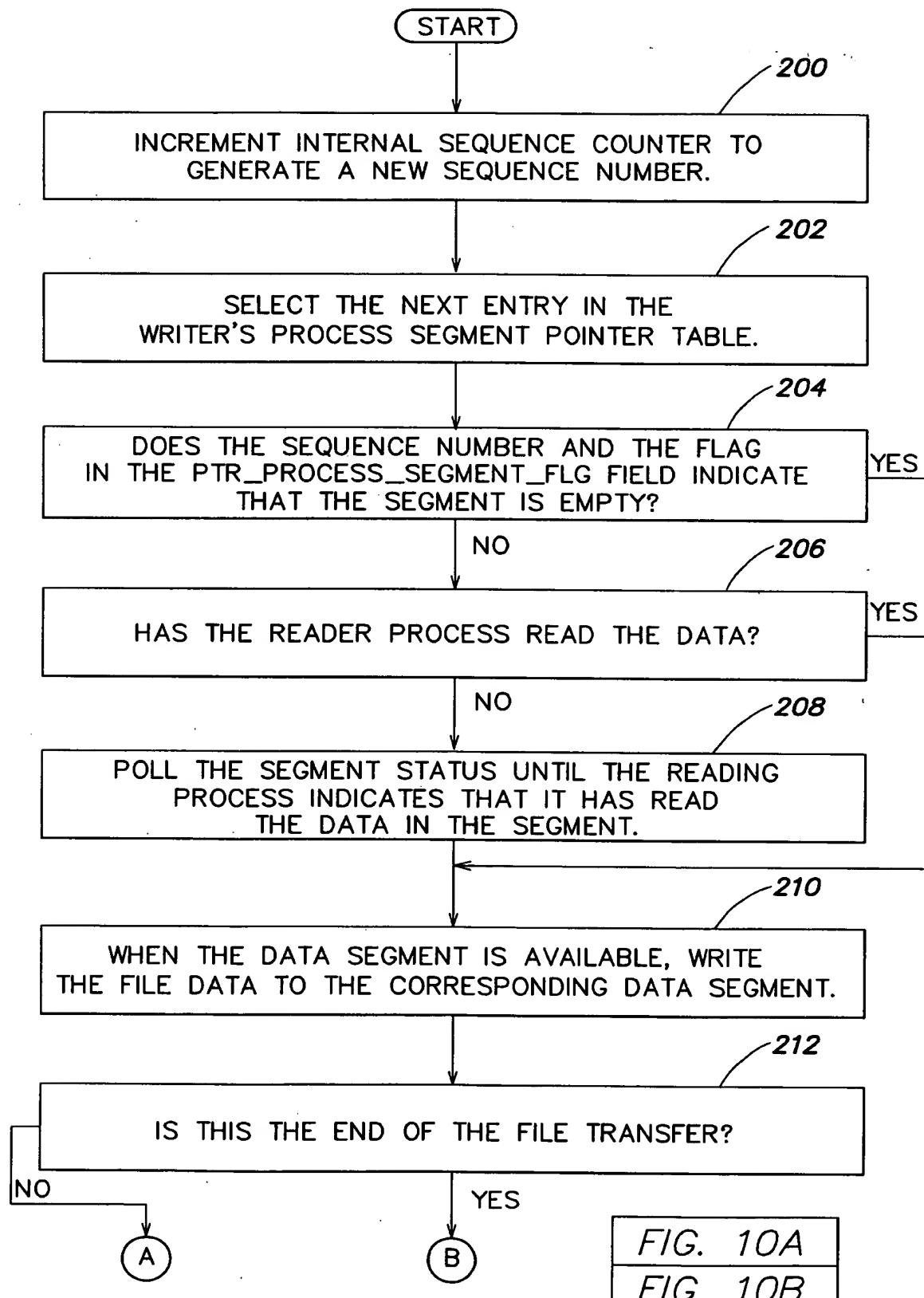


FIG. 10A

FIG. 10A
FIG. 10B



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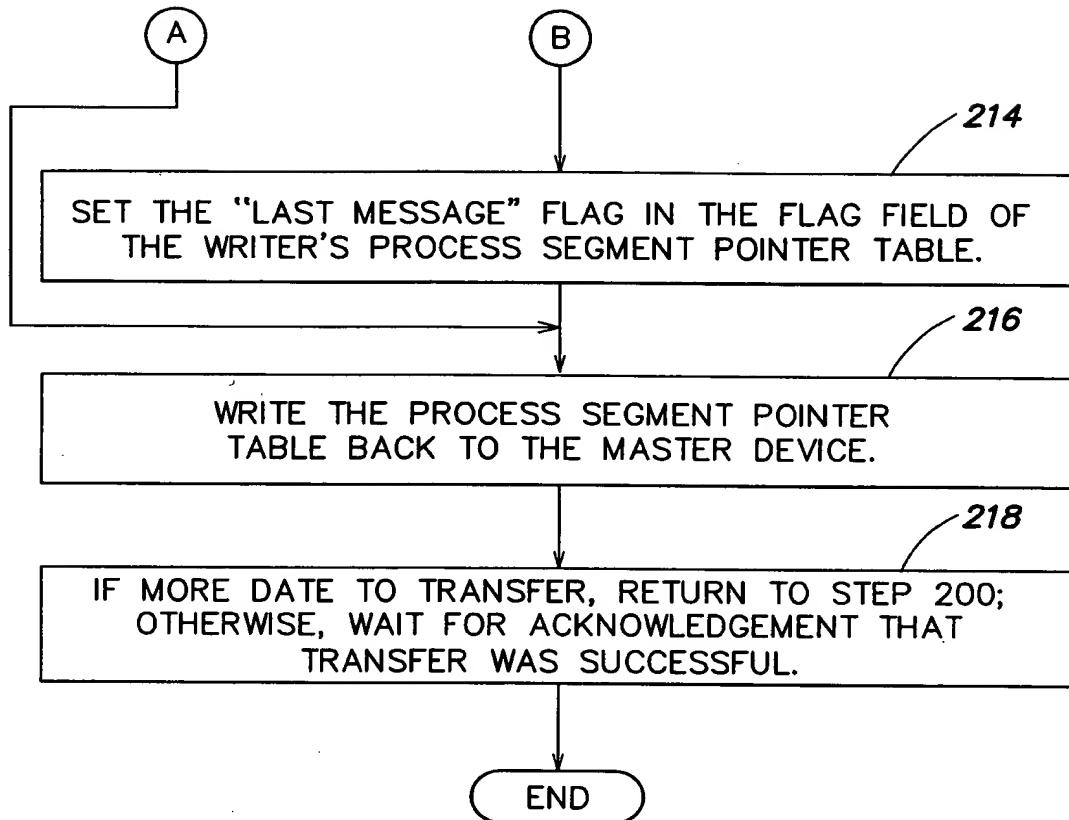


FIG. 10B

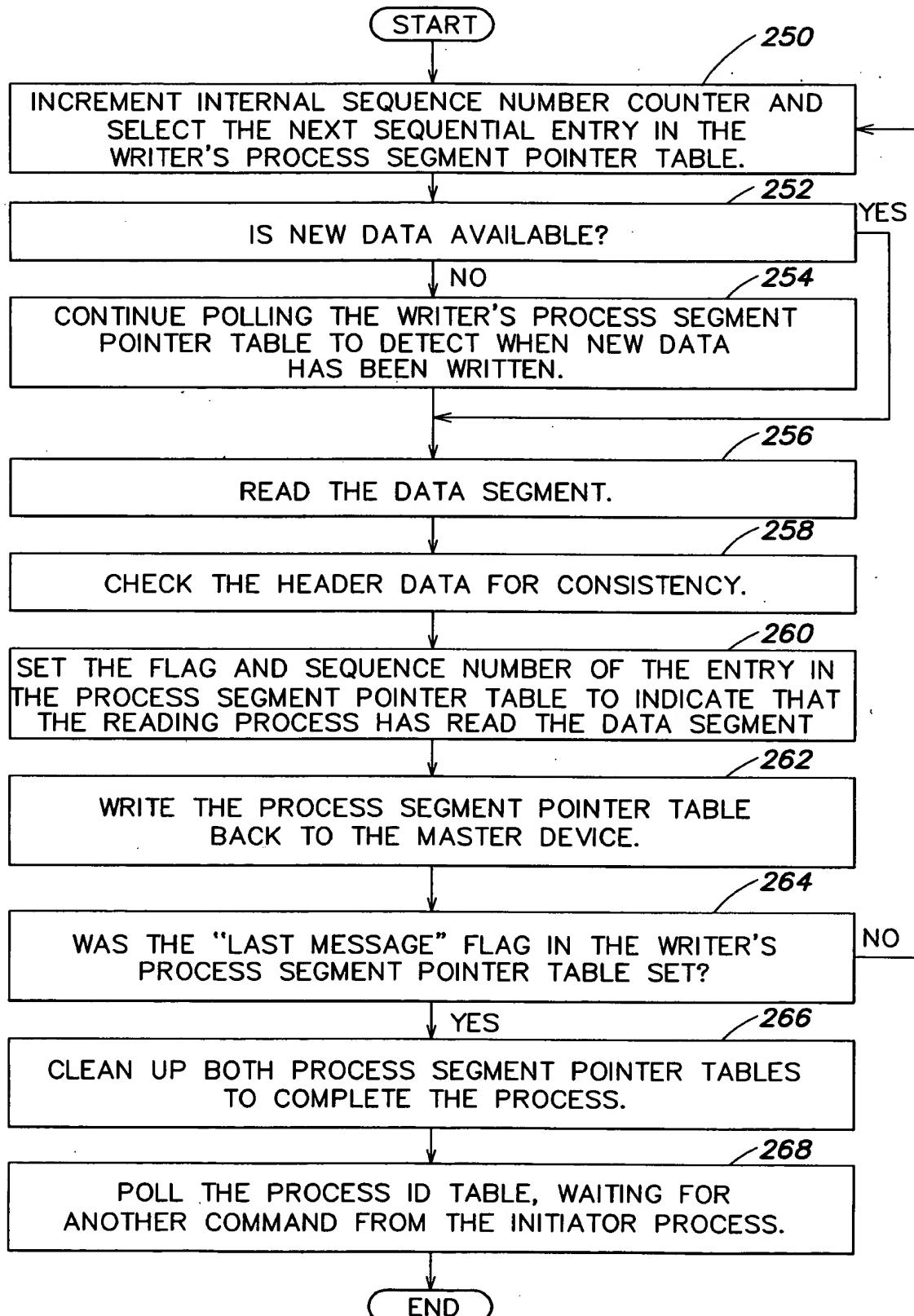


FIG. 11



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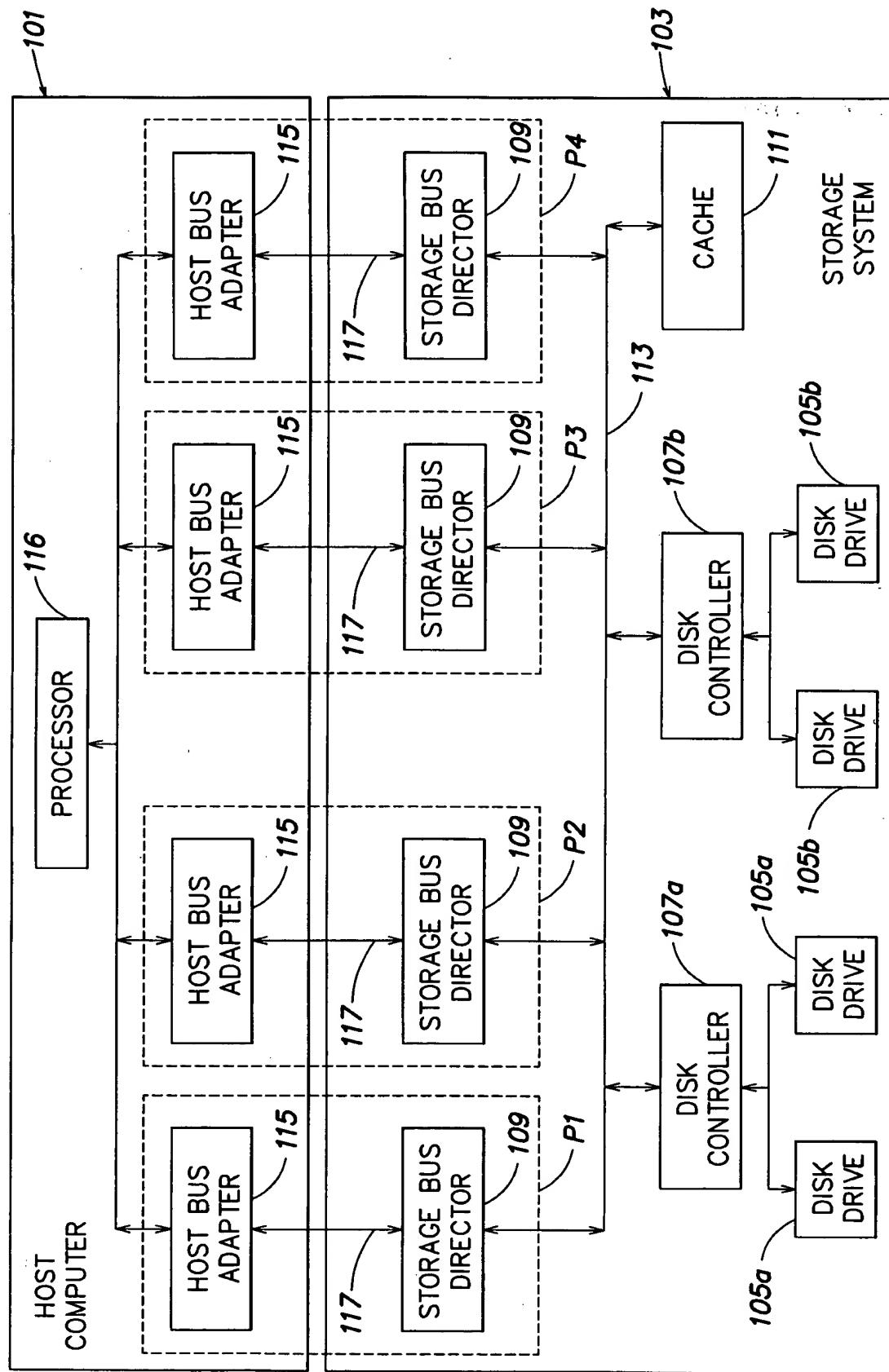


FIG. 12



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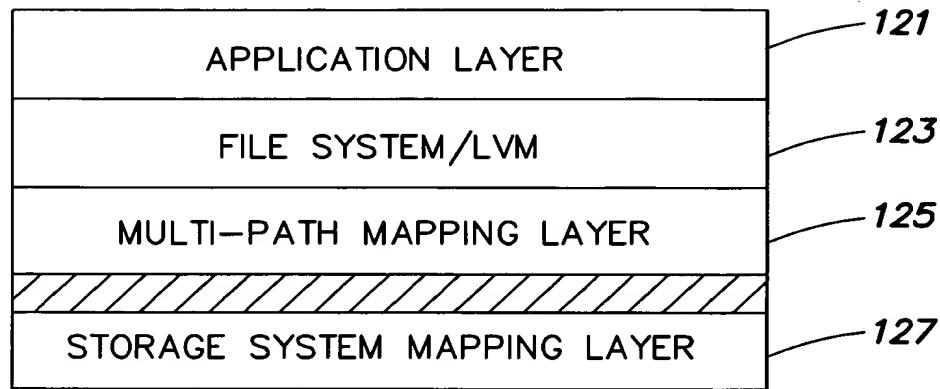


FIG. 13



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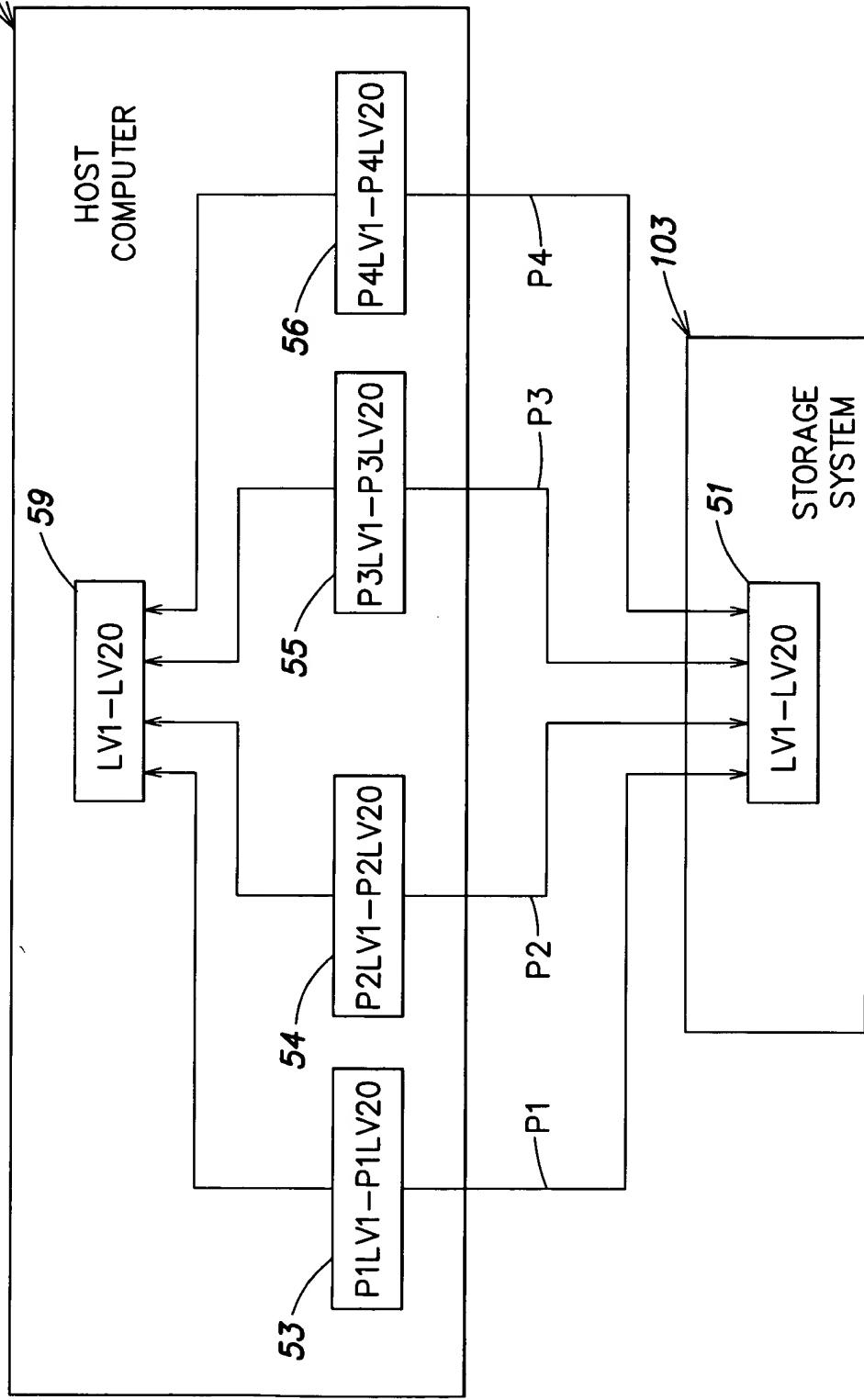


FIG. 14



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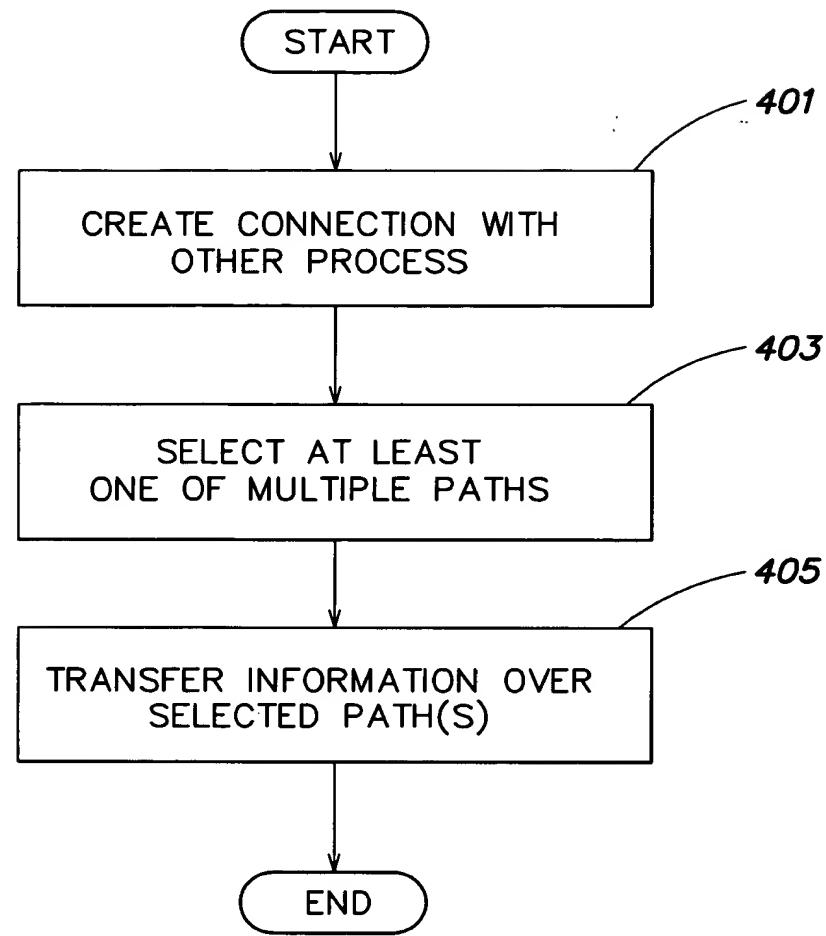


FIG. 15



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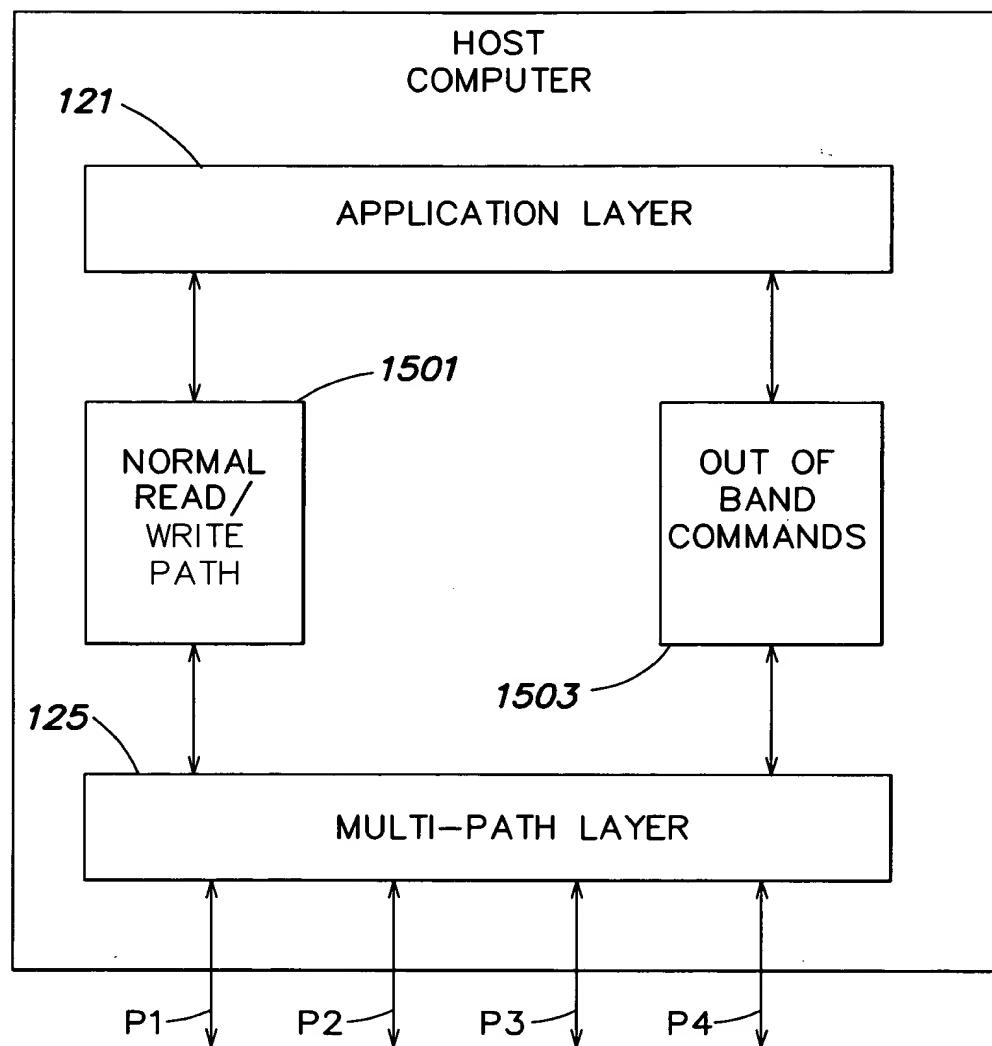


FIG. 16